CASIO

CATALOG COMES with DVD

Fantastic moments
One touch, 30 continuous shots.

HIGH SPEED EXILIM

FC100

EXILIM

Advanced High-speed Technology revolutionizes digital imaging.

Check the DVD

Ultra High-speed Continuous Shutter out-shoots even an SLR camera

Simply press the shutter button for Ultra High-speed Continuous Shutter shooting at speeds of up to 30 images per second with HIGH SPEED EXILIM compact models and up to 60 images per second with the F1 model. See a whole new world of action unfold before your very eyes.

Maximum CS Speed*

• FC100 & FS10: 30 images/sec. • F1: 60 images/sec. • FH20: 40 images/sec.

*Image size at maximum CS speed is 6M for the FC100, FS10, and F1, and 7M for the FH20.

High-speed Technology

HIGH SPEED EXILIM is the next-generation digital camera that delivers advanced features and functions like Ultra High-speed Continuous Shutter, High-speed Movie, HD Movie, and more. The new FC100 and FS10 feature a new engine that delivers all of the performance of past models in a more compact configuration.

High-speed Movie reveals action invisible to the naked eye

High-speed Movie makes recording of movies that can be played back in super slow motion quick and simple. High-speed Movie, which records at speeds of 1,000 to 1,200 frames per second, makes it easy to create movies that open up a whole new world of detailed action. Prerecord Movie protects against missing those special moments.

See page 27 for details about Prerecord Movie.

Selectable Shooting Speed

• FC100, FS10, FH20: 30-210 fps, 210 fps, 420 fps, 1,000 fps • F1: 30-300 fps, 300 fps, 600 fps, 1,200 fps

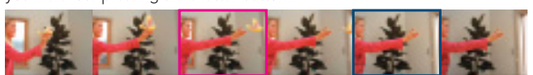
HD (High-definition) Movie Recording

Now you can record events throughout your day in outstanding definition. The High Speed EXILIM HD Movie mode records 1,280 x 720-pixel images at a rate of 30 frames per second. On the F1, Full HD Movie records 1,920 x 1,080-pixel images at a rate of 60 fields per second for movies of unmatched image quality.

Prerecord Continuous Shutter

Capture images of action after it happens

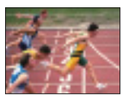
Prerecord CS continually pre-records Ultra High-speed CS images. Pressing the shutter button saves the pre-recorded images followed by newly recorded real-time images. Never again miss that special moment because you were late pressing the shutter button.



Move In / Move Out Continuous Shutter

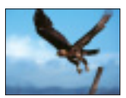
Move In Continuous Shutter

Move In CS automatically records what happened immediately before and after a subject moves into a boundary on the monitor screen. This mode is great when recording images of a runner passing a specific point.



Move Out Continuous Shutter

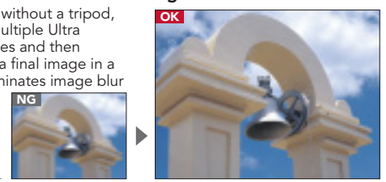
Move Out CS automatically records what happened immediately before and after a subject moves out of a boundary on the monitor screen. This mode makes it easy to capture perfect images of a bird taking flight.



High Speed Anti Shake

Ultra High-speed CS minimizes image blur

Even when shooting without a tripod, the camera shoots multiple Ultra High-speed CS images and then combines them into a final image in a way that virtually eliminates image blur due to hand movement, even when shooting with zoom.

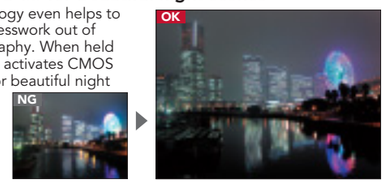


• F1 comes with Digital Anti Shake.

High Speed Night Scene

Ultra High-speed CS for beautiful night scenes

High-speed Technology even helps to take much of the guesswork out of night scene photography. When held by hand, the camera activates CMOS Shift Stabilization* for beautiful night images with minimal blur.



• Not available on the F1.
* Not available on the FS10.

• CS = Continuous Shutter • Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here.

30-image-per-second Ultra High-speed Continuous Shutter at the press of a button

Check the DVD

Capture exactly the instant you want

HIGH SPEED EXILIM compact cameras bring you total control over time so you can shoot, view, and save precisely the moment you want. 30-image-per-second Ultra High-speed CS, 1,000 fps High-speed Movie, Slow Motion View that lets you scroll through High-speed CS shots to select the one you want, and more, all in a compact camera configuration. All of this adds up to a powerful collection of tools that help you capture exactly the instant you want.

NEW FC100

NEW FS10

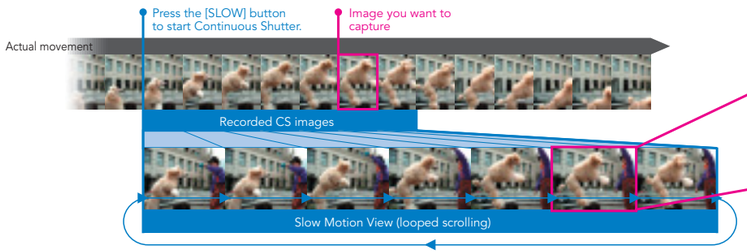
Slow Motion View

View High-speed CS images in slow motion and select exactly the moment you want

Shots recorded with the [SLOW] button scroll on the monitor screen in slow motion, giving you a good look at each one. When the precise moment you want is displayed, simply press the shutter button to save it as the final image.

FC100, FS10
- Image Sizes : 6M, 4M, 2M, VGA
- Approximate Recording Times: 3 seconds, 2 seconds, 1 second (Each setting changes the continuous shutter speed.)

F1
- Image Sizes : 6M, 3:2, 16:9, 4M, 3M, 2M, VGA
- Approximate Recording Times: 2 seconds (30 fps)
- F1 includes Slow Motion View, but does not have a [SLOW] button. Slow Motion View is triggered by half-pressing the shutter button.


Press the [SLOW] button to start Continuous Shutter.
Image you want to capture
Actual movement
Recorded CS images
Slow Motion View (looped scrolling)

Watch the slowly scrolling images, and press the shutter button when the one you want is displayed.

Lag Correction

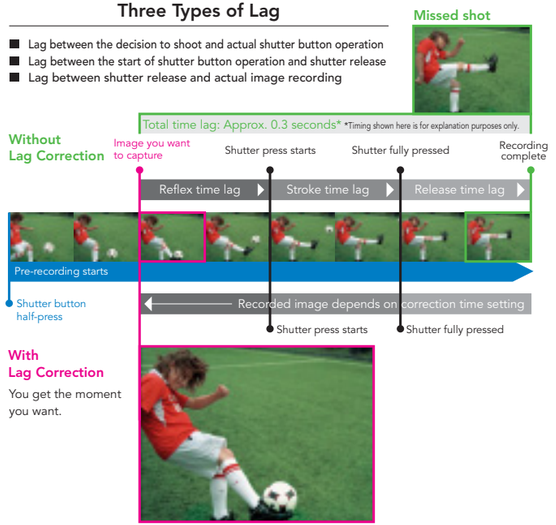
Reduces time lag to virtually zero

Lag Correction corrects for three types of time lag that occur during still image shooting by shifting the recording timing back slightly. This helps get the action in your image closer to the timing you intended.

• Image Sizes: 6M, 4M, 2M, VGA • Lag Correction time settings: 0.1, 0.2, 0.3 seconds

Three Types of Lag

- Lag between the decision to shoot and actual shutter button operation
- Lag between the start of shutter button operation and shutter release
- Lag between shutter release and actual image recording


Missed shot
Total time lag: Approx. 0.3 seconds* *Timing shown here is for explanation purposes only.
Without Lag Correction
Image you want to capture
Shutter press starts
Shutter fully pressed
Recording complete
Reflex time lag
Stroke time lag
Release time lag
Pre-recording starts
Shutter button half-press
Recorded image depends on correction time setting
Shutter press starts
Shutter fully pressed
With Lag Correction
You get the moment you want.

High Speed Best Selection

Ultra High-speed CS captures the most special of those fleeting moments

High Speed Best Selection records a series of Ultra High-speed CS shots and selects the best one based on image blur, and whether the subject is blinking or smiling. Face detection can detect multiple faces, so you can use High Speed Best Selection to shoot images of groups as well.

•Maximum Final Image Size: 6M

Selection criteria

High-speed Continuous Shutter + Face Detection + Anti Blur + Blink Detection + Smile Detection

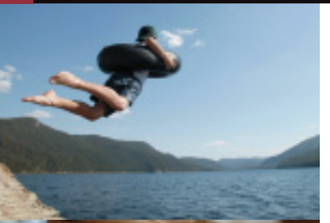
Image blur

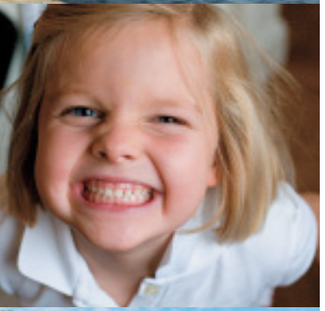
Closed eyes

Not smiling

For details, please go to: http://www.exilim.com/intl/sp/hs/

• CS = Continuous Shutter • Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here.





HIGH SPEED EXILIM compact captures all those special moments throughout the day.

30-image-per-second Ultra High-speed Continuous Shutter | 1,000 fps High-speed Movie | HD Movie Recording

• WHITE EX-FC100WE

Ultra High-speed Continuous Shutter – Make those special moments with the family last a lifetime. With 5X Optical Zoom and CMOS Shift Stabilization.

• BLACK EX-FC100BK

9.1	5x	2.7”	300*1	21	YouTube CAPTURE MODE
Megapixels	Optical Zoom	LCD	Battery Life	BEST SHOT	

• RED EX-FS10RD

Ultra High-speed Continuous Shutter captures every instance of the action as it happens. All in a stylish card camera.

• GRAY EX-FS10GY • BLUE EX-FS10BE • WHITE EX-FS10WE

9.1	3x	2.5”	160*1	21	YouTube CAPTURE MODE
Megapixels	Optical Zoom	LCD	Battery Life	BEST SHOT	

*1. Approximate; CIPA standards. Normal screen brightness (based on CASIO data)
• Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here.

The digital that out- shoots SLR cameras.
Ultra High-speed Continuous Shutter for a totally new digital imaging experience.

60-image-per-second Ultra High-speed Continuous Shutter

Capture each and every instance in high-detail and full resolution.

High-speed Movie

Shoot at speeds of up to 1,200 fps for ultra-slow motion movies.

1,200 fps (336 x 96)

300 fps (512 x 384)

Full HD Movie

Full High-definition movies you can play back on your TV.

Full HD 1920×1080

Other Functions

• Prerecord CS • Flash CS • Move In CS / Move Out CS
• Slow Motion View • Digital Panning • Prerecord Movie
• Digital Anti Shake • Selectable recording mode A/S/M
• 3 types of Bracketing • 52.1X HD (No Deterioration) Zoom (with VGA size) • CMOS Shift Stabilization • Face Detection

Function Ring

The function ring provides smooth control over CS speed and zoom. You also can use it to switch the High-speed Movie speed between 30 and 300 fps.

EISA AWARD Best Product 2008-2009 ADVANCED COMPACT CAMERA Casio Exilim Pro EX-F1

World's fastest*1 60-image-per-second Continuous Shutter and 1,200 fps High-speed Movie usher you into a whole new world of high-speed action.

6.0	12x	2.8"	520*2	27	YouTube CAPTURE MODE
Megapixels	Optical Zoom	Wide LCD	Battery Life	BEST SHOT	

Ultra High-speed that out-shoots SLR cameras plus 20X Optical Zoom for strikingly dramatic images.

9.1	20x	26mm*3	3.0"	230*4	18*5	YouTube CAPTURE MODE
Megapixels	Optical Zoom	Wide-angle Lens	Large LCD	Battery Life	BEST SHOT	

Ultra High-speed Continuous Shutter*6

Ultra High-speed CS lets you record high-resolution images at speeds of up to 40 images per second.*6

High-speed Movie

High-speed Movie makes it possible to record at speeds of up to 1,000 frames per second.

20X Optical Zoom without image blur

The camera combines multiple Ultra High-speed CS images to correct for image blur due to hand movement. This plus mechanical CMOS Shift Stabilization minimizes blur in zoom images, even during handheld shooting.

1X Optical Zoom

10X Optical Zoom

20X Optical Zoom

Night Scene Shooting without a tripod

The camera detects whether it is hand held or mounted on a tripod and automatically adjusts its configuration accordingly. During handheld shooting, Ultra High-speed CS images are combined to correct image blur due to hand movement for beautiful night scenes.

Other Functions

• Flash CS*7 • Move In CS / Move Out CS • Digital Panning
• HD / STD Movie Recording • Prerecord Movie • Selectable recording mode A/S/M
• 108X HD (No Deterioration) Zoom (with VGA size) • 1 cm Super Macro
• CMOS Shift Stabilization • Face Detection

• CS = Continuous Shutter • Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here.

*1. Consumer digital cameras according to information available to CASIO as of February 8, 2009. *2. Approximate images; CIPA standards. Normal screen brightness (based on CASIO data) *3. Converted to 35 mm film format. *4. Approximate images; CIPA standards. Normal screen brightness (based on CASIO data); Using Panasonic LR6 (XW) (LR6 alkaline) batteries. Number of images becomes approximately 400 when using SANYO eneloop HR-3UTG (rechargeable NiMH) batteries. *5. BEST SHOT recording not supported during movie recording. *6. 7M maximum image size at 40 fps; 8M maximum image size at 1 fps to 30 fps *7. Maximum image size: 8M

Dynamic Photo

Check the DVD

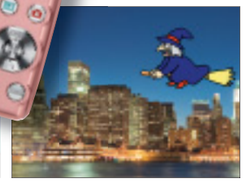
Insert moving subjects into photographs!
The EXILIM that makes your digital dreams come true.

Dynamic Photo makes it easy to crop a moving subject out of a series of images and insert it into other images! A simple operation on the camera extracts a moving subject automatically by cropping up to 20 Continuous Shutter images. Become the star of your digital photos! Create the images of your dreams! All on the camera, without using a computer! With Dynamic Photo you can shoot, create, and view images, just about anywhere!

NEW S12

NEW Z400

NEW Z270



A totally new way to enjoy digital photography! Dynamic Photo!

Shoot it & Create it — Insert a subject into another image quickly and easily, right on the camera!

A simple camera operation crops the subject out of a series of 20 Continuous Shutter images that create the illusion of movement. You can then insert the moving subject into another image you recorded with your EXILIM.

• Maximum final image size is 2M for moving subject and 6M for stationary subject.

First, shoot the subject.

Auto extract the subject.

Select a background.

Final Dynamic Photo

See it — Use your Dynamic Photo creations in a variety of fun ways!

Converting a Dynamic Photo image to movie data dramatically expands its range of potential uses!

See more at:
http://www.exilim.com/dp/

Dynamic Studio
Dynamic Photo Data Conversion Service

e-greeting

Mobile Phone

Photo Frame

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OPTION

EXILIM STATION

Enjoy Dynamic Photo images on an HD TV!

Simply connect EXILIM STATION to an HD TV, load an SD memory card containing Dynamic Photo images, and you are ready to view your images on a big HD TV screen.

ES-10
• With remote controller

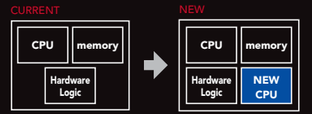
Connect via an HDMI for big-screen viewing enjoyment.

All the natural beauty of a subject with the touch of a button. Brought to you by EXILIM Engine 4.0

The multi-CPU configuration of the new EXILIM Engine 4.0 delivers parallel processing of complex imaging processes at amazing speeds. Improved noise filtering allows high-quality images even when shooting with high sensitivity. All of this plus a 30 percent reduction in power consumption compared with previous CASIO engines and a smaller chip footprint makes EXILIM Engine 4.0 equipped cameras some of the most advanced digital imaging tools available today.

New, high-performance multi-CPU engine

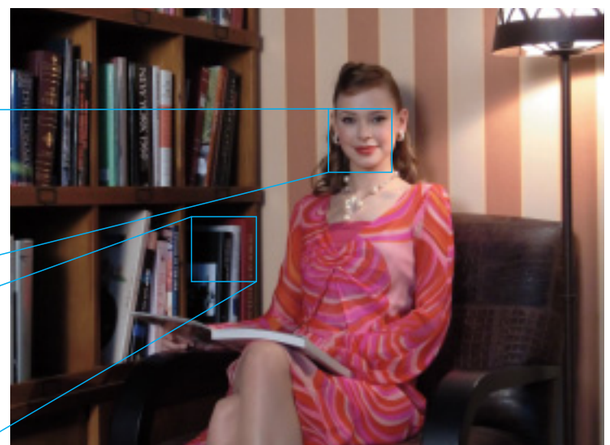
The EXILIM Engine 4.0 multi-CPU delivers amazingly high speeds, even for complex image analysis. EXILIM Engine 3.0 (equipped on the Z300 and Z250) uses two CPUs to perform parallel image analysis and processing for breathtaking speed.



Improved Image Quality

Improved quality with high-sensitivity

EXILIM Engine 4.0 virtually eliminates the digital noise that is normally generated when shooting with high sensitivity. Even high sensitivity night scenes, which are normally prone to digital noise, come out clear and smooth. All this plus blacker blacks and improved color reproduction fidelity produces images that look just as good as the real thing.



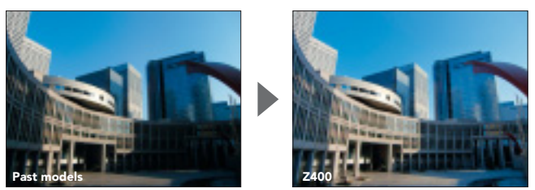
Digital noise is minimized for smoother detail. Images look as good as the real thing.

Discoloration that tends to appear when shooting with high sensitivity is suppressed for beautifully natural black areas. This contributes to the clarity and beauty of the overall image.

Lighting

Beautiful backlit scenes without troublesome setups

Even backlit scenes come out clear and beautiful with a press of the shutter button. Overexposure of the background is suppressed and foreground details are sharp and clear. The detail and rich gradations of the sky area also contribute to an image of exquisite perfection.



Tracking AF

Auto tracking and focusing of moving subjects

Tracking AF locks onto a moving subject and adjusts focus as required. Even if the subject exits the frame, Tracking AF remembers the subject and picks it up again automatically when it re-enters. Focus is continually updated until the shutter button is pressed.

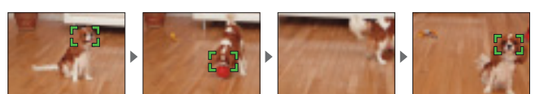
On the Z400, simply press the ◀ or ▶ control button to start Tracking AF.

Night Scene Shooting without a tripod

Beautifully natural night scenes with a touch of the shutter button.*

Even for difficult night scenes, simply press the shutter button and the camera adjusts face and background brightness to optimum levels automatically for a perfect image every time. Blurring also is minimized for sharp, clear definition.

*Z400 and Z270 only



Teach the camera the subject!

Auto Tracking

Continual tracking, even if the subject is out of view

Auto Tracking restarts.

• Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here.

NEW
12.1 Megapixels **S12**

With EXILIM Engine 4.0
The new, stylish, 12-megapixel card camera

• PINK EX-S12PK • BLACK EX-S12BK • GREEN EX-S12GN • SILVER EX-S12SR

12.1	3x	2.7"	270*1	41	YouTube CAPTURE MODE
Megapixels	Optical Zoom	Wide LCD	Battery Life	BEST SHOT	

NEW | EXILIM Engine 4.0
- Improved Image Quality
- Lighting
- Tracking AF

NEW | Dynamic Photo
| Make-up Mode
| Auto Shutter
| AUTO BEST SHOT
| Super Clear LCD
| Anti Shake DSP
| Face Detection
| HD Movie Recording
| Data Storage

• See pages 9 to 12, and 23 to 29 for details about each function.

*1. Approximate; CIPA standards. Normal screen brightness (based on CASIO data)
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S10
10.1 Megapixels

• SILVER EX-S10SR

• BLACK EX-S10BK

• RED EX-S10RD

• BLUE EX-S10BE

NEW
12.1 Megapixels **Z400**

550-image*1 super long battery life eliminates battery worries on long trips. 12-megapixel EXILIM

12.1	4x	28mm*2	3.0"	550*	39
Megapixels	Optical Zoom	Wide-angle Lens	Large LCD	Battery Life	BEST SHOT

YouTube CAPTURE MODE

• GOLD EX-Z400GD

NEW | EXILIM Engine 4.0
Improved Image Quality
Lighting
Night Scene Shooting without a tripod
Tracking AF
| Long 550-image Battery Life*1
NEW | Dynamic Photo
| Make-up Mode with dedicated button
| Auto Shutter
| AUTO BEST SHOT
| Super Clear LCD
| CCD Shift Stabilization
| Anti Shake DSP
| Face Detection
| HD Movie Recording

• SILVER EX-Z400SR

• BROWN EX-Z400BN

• PINK EX-Z400PK

• See pages 9 to 12, and 23 to 29 for details about each function.

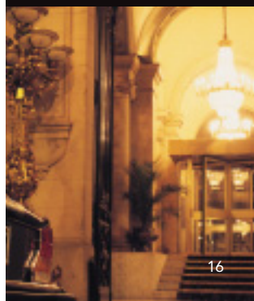
*1. Approximate; CIPA standards. Normal screen brightness (based on CASIO data) *2. Converted to 35mm film format.
• Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here.

Z300
10.1 Megapixels

• SILVER EX-Z300SR

• BLACK EX-Z300BK

• PINK GOLD EX-Z300PK



NEW
10.1 Megapixels **Z270**

Beautiful night scenes and backlit images made simple.

10.1	4x	28mm	2.7"	250	39	YouTube
Megapixels	Optical Zoom	Wide-angle Lens	Wide LCD	Battery Life	BEST SHOT	CAPTURE MODE

• GRAY EX-Z270GY

• GOLD EX-Z270GD

• BLACK EX-Z270BK

• PINK EX-Z270PK

NEW | **EXILIM Engine 4.0**
- Improved Image Quality
- Lighting
- Night Scene Shooting without a tripod
- Tracking AF

NEW | **Dynamic Photo**
- **Make-up Mode**
- **Auto Shutter**
- **AUTO BEST SHOT**
- **CCD Shift Stabilization**
- **Anti Shake DSP**
- **Face Detection**
- **HD Movie Recording**

• See pages 9 to 12, and 23 to 29 for details about each function.

*1. Converted to 35mm film format. *2. Approximate images; CIPA standards (based on CASIO data)
• Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here.

Z250
9.1 Megapixels

• SILVER EX-Z250SR

• RED EX-Z250RD

• PINK EX-Z250PK

• BLACK EX-Z250BK

• BLUE EX-Z250BE

• GOLD EX-Z250GD

Stylish colors, fashionable design.
12 megapixels never looked so good.

- Face Detection
- Anti Shake Mode
- easy Mode
- Selectable focus frame and menu color

• See pages 23 to 29 for details about each function.

12.1	3x	2.7"	23	YouTube
Megapixels	Optical Zoom	Wide LCD	BEST SHOT	CAPTURE MODE

A mixture of front and back colors and styles creates a selection of cute designs!

• BLACK EX-Z2BK

• PINK EX-Z2PK

• SILVER EX-Z2SR

• PURPLE EX-Z2PE

• Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here.

8.1 Megapixels Z150

A very smart digital camera with CCD Shift Stabilization for beautiful images

- Large 3.0-inch LCD
  High Contrast Ratio
  Wide Viewing Angle
- CCD Shift Stabilization
- Face Detection
- easy Mode

• See pages 23 to 29 for details about each function.

• GREEN EX-Z150GN
• PINK EX-Z150PK
• SILVER EX-Z150SR
• BLACK EX-Z150BK
• RED EX-Z150RD

8.1	4x	28mm*1	3.0”	280*2	22	YouTube CAPTURE MODE
Megapixels	Optical Zoom	Wide-angle Lens	Large LCD	Battery Life	BEST SHOT	

*1. Converted to 35mm film format. *2. Approximate images; CIPA standards (based on CASIO data)
• Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here.

9.1 Megapixels Z85

A choice of 8 attractive and fun colors. The colorful 9-megapixel EXILIM

- Auto Shutter
- Face Detection*3
- Anti Shake DSP
- easy Mode
- Selectable focus frame and menu color

• See pages 23 to 29 for details about each function.

• BROWN EX-Z85BN • ORANGE EX-Z85EO • SILVER EX-Z85SR • VIVID PINK EX-Z85VP
• BLUE EX-Z85BE • PINK EX-Z85PK • GREEN EX-Z85GN • BLACK EX-Z85BK

9.1	3x	2.6”	240*2	30	YouTube CAPTURE MODE
Megapixels	Optical Zoom	Wide LCD	Battery Life	BEST SHOT	

9.1 Megapixels Z19

Simple enough to be used by just about anyone 9 megapixels of fun!

- Face Detection
- Anti Shake Mode
- easy Mode

• See pages 23 to 29 for details about each function.

• LIGHT PINK EX-Z19LP • SILVER EX-Z19SR • PINK EX-Z19PK
• BLACK EX-Z19BK • GREEN EX-Z19GN

9.1	3x	2.6”	220*2	23	YouTube CAPTURE MODE
Megapixels	Optical Zoom	Wide LCD	Battery Life	BEST SHOT	

*3. Face Detection uses face recognition technology provided by the OKI Face Sensing Engine (FSE), which is a built-in image processing engine.
• FSE is a trademark of OKI Electric Industry Co., Ltd. • Visit the OKI WEB site (www.face-sensing-engine.jp) for FSE product information.

Make-up Mode

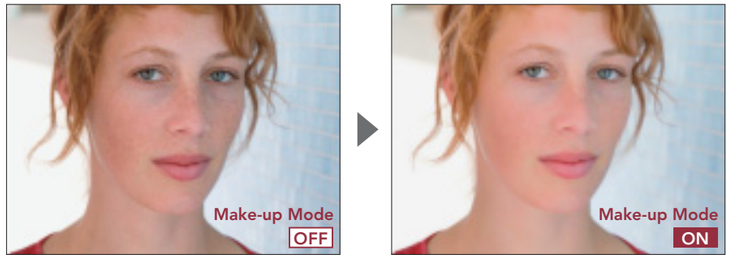
S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

Selectable Make-up Level

The Make-up Mode gives you beautiful portraits with a press of the shutter button. You can select one of 12 different Make-up Levels for exactly the effect you want.

Preview Make-up Mode effects before you shoot!

Changes in the Make-up Level are reflected immediately on the monitor screen image so you can check what your image will look like before you shoot it.



Press the Make-up button for instant skin texture enhancement. (Z400 and Z300)

Normal Mode — Level 12

Smile Detection Auto Shutter

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

In addition to optimizing focus and brightness, EXILIM also detects the expression on the subject's face and releases the shutter automatically when it detects a smile.*1 It's the easy way to ensure perfect portraits of smiling faces every time.

Self Portrait Auto Shutter

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

Even when you are unable to view the on-screen image, the camera releases the shutter automatically when it detects a face is fully within the monitor screen and there is no blur-causing movement.

Face Detection

FC100 | FS10 | F1 | FH20

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

Face Detection for automatic face focusing and brightness adjustment

The camera locates faces anywhere within the monitor screen area and optimizes focus and brightness. Even in backlit scenes, faces come out bright and clear.

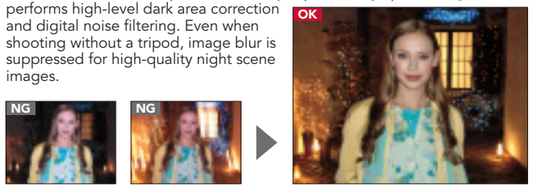
Automatic tracking and focusing of faces (Excluding Z2, Z150, Z19)

Even when a subject is moving, the camera automatically follows detected faces, while updating the focus setting.

Night Scene Shooting without a tripod

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

The camera automatically detects whether or not it is mounted on a tripod. If it detects hand-held operation, the high-speed image processing CPU performs high-level dark area correction and digital noise filtering. Even when shooting without a tripod, image blur is suppressed for high-quality night scene images.



With normal flash, the background is dark.

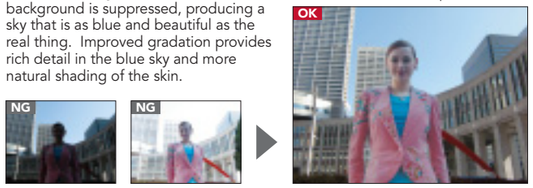
Image blur occurs when a tripod is not used.

Subject and background is bright, image blur is minimal.

Lighting

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

Backlit subjects (which often produce a subject with a dark face) also come out with natural brightness with a touch of the shutter button. Overexposure of the background is suppressed, producing a sky that is as blue and beautiful as the real thing. Improved gradation provides rich detail in the blue sky and more natural shading of the skin.



Background is clear, but face is dark.

Face is bright, but sky is overexposed.

Simply press the shutter button! Face and sky look as good as the real thing.

• Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here. • The effectiveness of the Make-up Mode depends on the individual face.

For blur-free images

Anti Blur

FC100 | FS10 | F1 | FH20

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

CCD / CMOS* Shift Stabilization (Excluding FS10, S12, S10, Z2, Z85, Z19)

This feature stabilizes the image mechanically during recording whenever camera movement is detected. Images come out crisp and clear, even under conditions that are prone to camera movement. *FC100, F1 and FH20 models only

Anti Shake DSP / Anti Shake Mode

Higher sensitivity and faster shutter speeds reduce the chance of image blur due to hand and subject movement, making it possible to capture clear images without using the flash.

Auto ISO sensitivity control (Excluding FC100, FS10, F1, FH20, Z2, Z150, Z19)

The camera increases ISO sensitivity automatically to minimize blur when it detects subject movement, and decreases sensitivity to minimize digital noise when it detects that the subject is stationary.

Anti Blur Auto Shutter (Excluding FC100, FS10, F1, FH20, Z2, Z150, Z19)

Hand movement during shutter button operation is the leading cause of image blur. Anti Blur Auto Shutter eliminates this, and also minimizes the chance of ruined images, by releasing the shutter automatically when the camera detects that the camera and subject are still.

For shooting without troublesome setups

AUTO BEST SHOT

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

Simply aim at the subject.
The camera detects the scene type and sets up automatically!

The camera detects focus, brightness, face, movement, and other factors, and then selects one of six BEST SHOT sample scenes to match shooting conditions. All you need do is press the shutter button for perfect images every time. Pointing the camera at a person, for example, causes the "Portrait" scene to be selected, and the camera adjusts so the person's face fills the screen.

Point the camera at the subject and it selects one of six BEST SHOT scenes automatically.

Portrait

Scenery

Night Scene

Night Scene Portrait

Flower (Macro)

Sports (Movement)

For easy screen viewing, even outdoors

Super Clear LCD

FC100 | FS10 | F1 | FH20

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

High Contrast Ratio for realistic images

A new LCD provides some of the highest contrast among today's digital camera displays. Light and dark areas stand out in clear contrast for beautiful images that look just like the real thing.

Current LCDs
Image appears dull.

Super Clear LCD
Image looks just like the real thing.

Wide Viewing Angle for easy viewing from any angle

A wide viewing angle means images look good no matter if they are viewed from above, below, left, or right. This means that everyone around you can enjoy viewing images on the monitor screen.

Current LCDs

Super Clear LCD

Super Bright LCD for easy viewing, even outdoors

The camera can be configured to detect available light and adjust screen brightness automatically, or you can select one of three fixed brightness levels.

28mm* Wide-angle Lens

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

A 28mm* wide-angle lens provides plenty of coverage for large groups and scenery shots, which is great at parties and when traveling.

*Converted to 35mm film format.

For innovative, fun features

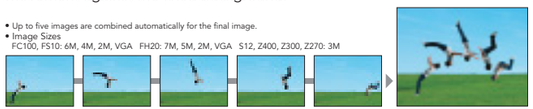
Multi-motion Image

FC100 | FS10 | F1 | FH20

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

High-speed Continuous Shutter shoots consecutive images, automatically detecting the moving subject and stationary background. The images are then combined into a final image that shows a progression of the subject's movement against the fixed background.

- Up to five images are combined automatically for the final image.
- Image Sizes
  FC100, FS10: 6M, 4M, 2M, VGA FH20: 7M, 5M, 2M, VGA S12, Z400, Z300, Z270: 3M



Panning Auto Shutter / Digital Panning*

FC100 | FS10 | F1 | FH20

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

Normally, refined technique is required to produce a panned image in which the subject is in sharp focus. But now, however, all you need do is point your EXILIM at the subject and the camera does the rest! Images come out with a blurred background and focused moving subject, which really captures the feeling of speed.

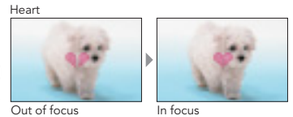
* Digital Panning available on the F1 and FH20.

Selectable Focus Frame

S12 | S10 | Z400 | Z300 | Z270 | Z250 | Z2 | Z150 | Z85 | Z19

Selectable focus frame images make picture taking more fun.

Cookie Flower Shine Butterfly* Candle*
* Z2, Z85 only



• Screen and printed images shown in this catalog are simulations for explanatory purposes only. Actual images may appear different from those shown here.

EXILIM

Powerful features and functions designed for performance!

Snapshot Recording

Continuous Shutter

Normal-speed Continuous Shutter lets you shoot without stopping until memory is full. High-speed Continuous Shutter gives you faster shooting speed. Flash Continuous Shutter shoots a series of images with flash.

• Z2, Z150 and Z19 come with Normal-speed CS only. Flash CS not available on the FC100 and FS10. FH20 does not support Normal-speed CS.

Auto Macro*1

Auto Macro switches to the macro mode automatically when a subject is within the macro range. This helps to ensure that images are always in focus and reduces the chance of focus error.

Snapshot In Movie*2

Pressing the shutter release button while movie recording is in progress shoots a snapshot without leaving the movie mode. The camera automatically returns to movie recording after shooting the snapshot.

RGB Histogram

Displays a histogram that lets you check exposure. The histogram is a graph that shows image brightness in accordance with current exposure settings.

Monitor Screen Grid

The monitor screen can be configured to display a grid that helps when composing images.

Soft Flash*3

Suppresses flash intensity regardless of the exposure setting to prevent overexposure in flash images.

Red Eye Correction*4

Removes red-eye, which can occur when shooting with flash.

Snapshot Playback

Screen Languages

Select from among English, Spanish, French, Italian, Portuguese, Japanese, Traditional Chinese, Simplified Chinese, Korean, Danish, Finnish, Norwegian, Swedish, Dutch, Polish, Czech, Hungarian, Arabic,*5 Russian,*6 Indonesian,*6 Turkish,*7 Thai*7

White Balance Adjustment*8

White balance lets you select a setting from among a variety of different light sources, which will correct the color cast of recorded image for more naturally colored snapshots.

Snapshot Playback

Image Brightness Adjustment*8

This setting lets you adjust the brightness of a recorded snapshot.

Color Restoration*3

Restores the colors of old, faded photographs to make them brighter and clearer. Skin colors, sky, and other colors are beautifully restored and the result is saved as a new digital image.

Timestamp

The date and time that the shutter button is pressed can be stamped into each image.

• The stamped date cannot be edited. Digital zoom is not supported while time stamping is turned on.
• FC100, FS10, F1, FH20 : Digital zoom supported while time stamping is turned on.

World Time

World Time is convenient for international travel. Simply select one of the 162 cities (32 time zones) and you can keep track of the current time in your home time zone and other time zones.

Connection and Printing

Photo Loader with HOT ALBUM (bundled)*9

This new application lets you use Photo Loader image management functions to back up images on a CD. Image back up reduces the chance of losing images accidentally. Text and even music can be inserted into images to create original albums.

PictBridge

Direct Connection to a Printer for Easy Printing
Simply connect the camera directly to a printer for printing, without going through a computer.

PictBridge

• Contact your printer manufacturer for information about models that support these protocols, printer upgrades, etc.
• Applies to PictBridge compatible printers only.

PRINT Image Matching III Compatible*8 / Exif Print Compatible

PRINT Image Matching III Compatible

• PRINT Image Matching III is a trademark of Seiko Epson Corporation.

Exif Print

Exif Print (Exif 2.2) Compatible

• Contact your printer manufacturer for information about models that support these protocols, printer upgrades, etc.

PRINT Image Matching

Wide TV Output

Use the bundled AV cable for quick and easy connection to a DVD recorder or TV so you can enjoy your movies and snapshots on a big screen.

Movie Recording and Playback

Prerecord Movie*8

Pressing the movie button records a movie, starting from the point five seconds before you pressed the movie button. This helps you capture difficult-to-time moments without worrying that your timing may be off.

• Shutter button operation with the FH20

MOTION PRINT*8

MOTION PRINT lets you print a specific frame of a movie as a snapshot. You can create a single-image snapshot, or a nine-image snapshot.

Movie Editing*8

A simple camera operation lets you cut unwanted scenes from movies after you record them. Simple editing procedures can be performed on the camera, without using a computer.

YouTube™ CAPTURE MODE

Records movies at an optimal size for uploading to the YouTube™ file sharing site. Included software makes uploading to YouTube™ quick and simple.

YouTube CAPTURE MODE

★1. Not available on the Z150 and Z19 models ★2. Not available on the FH20, Z250, Z150 and Z19 models. Snapshot In Movie disabled during High Speed Movie recording. ★3. Not available on the FC100, FS10, F1, FH20, Z2, Z150 and Z19 models. ★4. Available on the S12, Z400 and Z270 models. Restoration performed during playback on the Z300 and Z250 models. ★5.Not available on the F1 model ★6. Not available on the F1, S10 models ★7. Available on the FC100, FS10, S12, Z400, Z270, and Z2 models ★8. Not available on the Z2, Z150 and Z19 models ★9. Available on the S10, Z300, Z250, Z150, Z85 and Z19 models • YouTube upload functionality is included under license from YouTube LLC. The presence of YouTube upload functionality in this product is not an endorsement or recommendation of the product by YouTube LLC.

Bundled Software

(See the CASIO Digital Camera website for details about operating environments and updates.)

Windows® / Windows Vista®	FC100	FS10	F1	FH20	S12	S10	Z400	Z300	Z270	Z250	Z2	Z150	Z85	Z19
Photo Loader with HOT ALBUM 3.1						●		●		●		●	●	●
Photo Transport	●	●			●	●	●	●	●	●	●	●	●	●
DATA TRANSPORT					●	●								
YouTube™ Uploader for CASIO*	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ArcSoft TotalMedia™ Extreme for CASIO			●											

Mac OS®	FC100	FS10	F1	FH20	S12	S10	Z400	Z300	Z270	Z250	Z2	Z150	Z85	Z19
DATA TRANSPORT					●	●								

Minimum Computer System Requirements

Windows® / Windows Vista®	2000	XP	Vista
Photo Loader with HOT ALBUM 3.1	●	●	●
Photo Transport	●	●	●
DATA TRANSPORT	●	●	●
YouTube™ Uploader for CASIO*	● (SP4)	● (SP2, SP3)	●
ArcSoft TotalMedia™ Extreme for CASIO		● (SP2, SP3)	●

Mac OS®	OS 9	OS X
DATA TRANSPORT		● (OS 10.2.8 or higher)

Operating Systems for Movie Playback

Windows® 2000 / XP, Windows Vista®	AVI (Motion JPEG)	MOV (H.264 / AVC)
Recommended Computer System	CPU: Pentium 4 3.2 GHz or higher	CPU: Pentium 4 3.2 GHz or higher
Required Software	Windows Media Player DirectX® 9.0c or higher	DirectX® 9.0c or higher QuickTime® 7 or higher

Mac OS®	AVI (Motion JPEG)	MOV (H.264 / AVC)
Recommended Computer System	OS 10.3.9 or higher	OS 10.4.11 or higher
Required Software	QuickTime® 7 or higher	QuickTime® 7 or higher

Supported Movie Recording Formats

	FC100	FS10	F1	FH20	S12	S10	Z400	Z300	Z270	Z250	Z2	Z150	Z85	Z19
AVI (Motion JPEG)	●	●		●	●		●		●		●	●		●
MOV (H.264 / AVC)			●			●		●		●			●	

* This product's YouTube upload functionality is included under license from YouTube LLC. The presence of YouTube upload functionality in this product is not an endorsement or recommendation of the product by YouTube LLC

Important! The above are recommended system environments. Configuring one of these environments does not guarantee proper operation. Even if your computer meets the minimum requirements described above, certain settings and other installed software may interfere with proper playback of movies.

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BEST SHOT

S12 Z400 / Z270 Z2 Z150 Z85 Z19 FC100 / FS10 F1 FH20

M The letter "M" inside of a color coded model indicator means the BEST SHOT scene also affects movie recording. Though some BS scenes can be used while shooting a movie, their effectiveness is less than that for snapshots.

- AUTO BEST SHOT — M M
- Dynamic Photo — M M
- Portrait — M M M M M M M M
- Scenery — M M M M M M M M
- Portrait With Scenery — M M M M M M M
- Self-portrait (1 person) — M M M
- Self-portrait (2 people) — M M M
- Children — M M M M M M M M
- Sports — M M M M M M M M
- Candlelight Portrait — M M M M M
- Party — M M M M M M M
- Pet — M M M M M M M M
- Flower — M M M M M M M M
- Natural Green — M M M M
- Autumn Leaves — M M M M
- Soft Flowing Water — M M M M M M
- Splashing Water — M M M M
- Sundown — M M M M M M M
- High Speed Night Scene — M M
- Night Scene — M M M M M M M
- Night Scene Portrait — M M M M M M M M
- Fireworks — M M M M M M M M
- Food — M M M M M M M
- Fashion Accessories — M M
- Magazine — M M
- Text — M M M M M
- Collection — M M M
- Auction — M M M M M M M
- Backlight — M M M M M M
- High Speed Anti Shake / Digital Anti Shake — M M M
- Anti Shake — M M M
- High Sensitivity — M M M M M M
- Underwater — M M M
- Monochrome — M M M
- Retro — M M M
- Cross — M M
- Pastel — M M
- Twilight — M M
- Multi-motion image — M M M
- Digital Panning — M M
- High Speed Best Selection — M
- Move Out CS — M M M
- Move In CS — M M M
- ID Photo — M M M
- Business cards and documents — M M
- White board, etc. — M M M
- Silent — M M
- Prerecord*1 *2 — M M M M M
- For YouTube*1 *2 — M M M M M M M M
- Voice Recording — M M M M M M M

*1 Movie only
*2 FH20 allows configuration using the mode dial or control panel.

SPECIFICATION CHART

	HIGH SPEED EXILIM			
	EX-FC100	EX-FS10	EX-F1	EX-FH20
Finder	Monitor Screen: 2.7-inch TFT color LCD / 230,400 dots (960 x 240)	Monitor Screen: 2.5-inch TFT color LCD / 230,400 dots (960 x 240)	Monitor Screen: 2.8-inch wide TFT color LCD / 230,160 dots (959 x 240) Electronic View Finder: 0.2-inch, equivalent to 201,600 dots	Monitor Screen: 3.0-inch TFT color LCD / 230,400 dots (960 x 240) Electronic View Finder: 0.2-inch, equivalent to 201,600 dots
File Format	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Movies: AVI format, Motion JPEG, IMA-ADPCM (monaural)	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Movies: AVI format, Motion JPEG, IMA-ADPCM (monaural)	• Snapshots: RAW (DNG*), JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Movies: MOV format, H.264/AVC, IMA-ADPCM (stereo) *DNG file format is one type of RAW image file, and it is recommended by Adobe Systems Incorporated for use as a standard image file format.	• Snapshots: RAW (DNG*), JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Movies: MOV format, H.264/AVC, IMA-ADPCM (monaural) *DNG file format is one type of RAW image file, and it is recommended by Adobe Systems Incorporated for use as a standard image file format.
Recording Media	31.9 MB built-in flash memory, SD Memory Card, SDHC Memory Card	31.9 MB built-in flash memory, SD Memory Card, SDHC Memory Card	31.9 MB built-in flash memory, SD Memory Card, SDHC Memory Card	31.9 MB built-in flash memory, SD Memory Card, SDHC Memory Card
Number of Recorded Pixels	• Snapshots: 3,456 x 2,592 / 3,456 x 2,304 (3:2) / 3,456 x 1,944 (16:9) / 2,816 x 2,112 / 2,304 x 1,728 / 1,600 x 1,200 / 640 x 480 (VGA) • STD Movies: 640 x 480 (30 fps) • HD Movies: 1,280 x 720 (30 fps) • High-speed Movies: 224 x 64 (1,000 fps) / 224 x 168 (420 fps) / 480 x 360 (210 fps, 30 to 210 fps)	• Snapshots: 3,456 x 2,592 / 3,456 x 2,304 (3:2) / 3,456 x 1,944 (16:9) / 2,816 x 2,112 / 2,304 x 1,728 / 1,600 x 1,200 / 640 x 480 (VGA) • STD Movies: 640 x 480 (30 fps) • HD Movies: 1,280 x 720 (30 fps) • High-speed Movies: 224 x 64 (1,000 fps) / 224 x 168 (420 fps) / 480 x 360 (210 fps, 30 to 210 fps)	• Snapshots: RAW / 2,816 x 2,112 / 2,816 x 1,872 (3:2) / 2,816 x 1,584 (16:9) / 2,304 x 1,728 / 2,048 x 1,536 / 1,600 x 1,200 / 640 x 480 (VGA) • STD Movies: 640 x 480 (30 fps) • HD Movies: 1,920 x 1,080 (FHD, 60 fields per second) / 1,280 x 720 (HD, 30 fps) • High-speed Movies: 336 x 96 (1,200 fps) / 432 x 192 (600 fps) / 512 x 384 (300 fps, 30 to 300 fps)	• Snapshots: RAW / 3,456 x 2,592 / 3,456 x 2,304 (3:2) / 3,456 x 1,944 (16:9) / 3,264 x 2,448 / 3,072 x 2,304 / 2,560 x 1,920 / 1,600 x 1,200 / 640 x 480 (VGA) • STD Movies: 640 x 480 (30 fps) • HD Movies: 1,280 x 720 (30 fps) • High-speed Movies: 224 x 56 (1,000 fps) / 224 x 168 (420 fps) / 480 x 360 (210 fps, 30 to 210 fps)
Number of Effective Pixels	Approximately 9.1 megapixels	Approximately 9.1 megapixels	Approximately 6.0 megapixels	Approximately 9.1 megapixels
Image Sensor	1/2.3-inch high-speed CMOS (Total pixels: 10.29 megapixels)	1/2.3-inch high-speed CMOS (Total pixels: 10.29 megapixels)	1/1.8-inch high-speed CMOS (Total pixels: 6.6 megapixels)	1/2.3-inch high-speed CMOS (Total pixels: 10.29 megapixels)
Lens / Focal Length (Snapshots)	9 lenses in 7 groups, including aspherical lens; F3.6 (W) to F4.5 (T) (Approximately 37 to 185 mm equivalent to 35 mm film)	11 lenses in 9 groups, including aspherical lens; F3.9 (W) to F5.4 (T) (Approximately 38 to 114 mm equivalent to 35 mm film)	12 lenses in 9 groups, including aspherical lens; F2.7 (W) to F4.6 (T) (Approximately 36 to 432 mm equivalent to 35 mm film)	14 lenses in 11 groups, including aspherical lens; F2.8 (W) to F4.5 (T) (Approximately 26 to 520 mm equivalent to 35 mm film)
Zoom	5X optical zoom, 4X digital zoom, maximum 27X HD zoom (with VGA size)	3X optical zoom, 4X digital zoom, maximum 16.2X HD zoom (with VGA size)	12X optical zoom, 4X digital zoom, maximum 52.1X HD zoom (with VGA size)	20X optical zoom, 4X digital zoom, maximum 108X HD zoom (with VGA size)
Focus	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, Free, Auto Tracking • AF Assist Light	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, Free, Auto Tracking • AF Assist Light	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Infinity, Manual Focus • AF Area: Spot, Free, Auto Tracking • AF Assist Light	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Infinity, Manual Focus, Super Macro, Manual Focus • AF Area: Spot, Free, Auto Tracking • AF Assist Light
Approximate Focus Range (Snapshots)	Auto Focus: 40 cm to ∞ (W) / Macro: 3 cm to 50 cm (W) / Infinity: ∞ / Manual Focus: 3 cm to ∞ (W) *From lens surface. *Range is affected by optical zoom.	Auto Focus: 40 cm to ∞ (W) / Macro: 10 cm to 50 cm (W) / Infinity: ∞ / Manual Focus: 10 cm to ∞ (W) *From lens surface. *Range is affected by optical zoom.	Auto Focus: 40 cm to ∞ (W) / Macro: 5 cm to 50 cm (W) / Infinity: ∞ / Manual Focus: 5 cm to ∞ (W) *From lens surface. *Range is affected by optical zoom.	Auto Focus: 40 cm to ∞ (W) / Macro: 12 cm to 50 cm (W) / Super Macro: 1 cm to 12 cm / Manual Focus: 12 cm to ∞ (W), 1 cm to ∞ (Super Macro Zoom) *From lens surface. *Range is affected by optical zoom.
Exposure	• Metering: Multi pattern, Center Weighted, Spot by imaging element • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by imaging element • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by imaging element • Control: Program AE, Aperture Priority AE, Shutter Speed Priority AE, Manual Exposure • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by imaging element • Control: Program AE, Aperture Priority AE, Shutter Speed Priority AE, Manual Exposure • Compensation: -2 EV to +2 EV (in 1/3 EV steps)
Aperture	F3.6 (W) to F8.5 (W) *Optical zoom and record mode change aperture value.	F3.9 (W) to F7.1 (W) *Optical zoom and record mode change aperture value.	• Auto / Shutter Speed Priority AE: F2.7 (W) to F15 (W) , auto switching • Aperture Priority AE / Manual Exposure: F2.7 (W) to F7.5 (W) *With ND filter. *Optical zoom and record mode change aperture value.	F2.8 (W) to F7.9 (W) *Optical zoom and record mode change aperture value.
Shutter Type / Shutter Speed	CMOS electronic shutter, mechanical shutter • Auto (Program AE): 1 to 1/1000 second (High-speed Continuous Shutter: up to 1/40000 second) • Night Scene: 4 seconds maximum *May differ due to camera setup.	CMOS electronic shutter, mechanical shutter • Auto (Program AE): 1 to 1/1250 second (High-speed Continuous Shutter: up to 1/40000 second) • Night Scene: 4 seconds maximum *May differ due to camera setup.	CMOS electronic shutter, mechanical shutter • Auto (Program AE) / Aperture Priority AE: 1 to 1/2000 second • Shutter Speed Priority AE / Manual Exposure: 60 to 1/40000 second *May differ due to camera setup.	CMOS electronic shutter, mechanical shutter • Auto (Program AE) / Aperture Priority AE: 1 to 1/2000 second • Shutter Speed Priority AE / Manual Exposure: 30 to 1/2000 second (High-speed Continuous Shutter: up to 1/40000 second) *May differ due to camera setup.
White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance
Sensitivity (SOS)*1	• Snapshots: Auto, ISO100, ISO200, ISO400, ISO800, ISO1600 • Movies: Auto	• Snapshots: Auto, ISO100, ISO200, ISO400, ISO800, ISO1600 • Movies: Auto	• Snapshots: Auto, ISO100, ISO200, ISO400, ISO800, ISO1600 • Movies: Auto (Hi-speed Movie when Manual Exposure mode: ISO100, ISO200, ISO400, ISO800, ISO1600)	• Snapshots: Auto, ISO100, ISO200, ISO400, ISO800, ISO1600 • Movies: Auto (Hi-speed Movie when Manual Exposure mode: ISO100, ISO200, ISO400, ISO800, ISO1600)
Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer
Built-in Flash	• Flash Modes: Auto, Flash off, Flash on, Red Eye Reduction • Approximate Flash Range: [Normal] 0.1 to 3.2 m (W) / 0.6 to 2.5 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Red Eye Reduction • Approximate Flash Range: [Normal] 0.4 to 2.6 m (W) / 0.7 to 1.9 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Red Eye Reduction, External Flash • Approximate Flash Range: [Normal] 0.5 to 6.7 m (W) / 1.1 to 3.9 m (T), [Flash Continuous Shutter (Recording 10 Images)] 0.5 to 3.1 m (W) / 1.1 to 1.8 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Red Eye Reduction • Approximate Flash Range: [Normal] 0.4 to 7.0 m (W) / 1.3 to 4.4 m (T), [Flash Continuous Shutter (Recording 5 Images)] 0.6 to 2.3 m (W) / 1.3 to 1.4 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.
Timekeeping Functions	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp
Other Functions	BEST SHOT, YouTube™ CAPTURE MODE, Face Detection, Video Output (NTSC / PAL), Wide-screen TV Ouput (NTSC / PAL)	BEST SHOT, YouTube™ CAPTURE MODE, Face Detection, Video Output (NTSC / PAL), Wide-screen TV Ouput (NTSC / PAL)	BEST SHOT, YouTube™ CAPTURE MODE, Face Detection, Video Output (NTSC / PAL), Wide-screen TV Ouput (NTSC / PAL)	BEST SHOT, YouTube™ CAPTURE MODE, Face Detection, Video Output (NTSC / PAL), Wide-screen TV Ouput (NTSC / PAL)
Input / Output Terminals	USB (Hi-Speed USB compatible) / AV (NTSC / PAL compliant) connector	USB (Hi-Speed USB compatible) / AV (NTSC / PAL compliant) connector	USB (Hi-Speed USB compatible) / AV (NTSC / PAL compliant) connector, HDMI™ output (Mini)*, Hot shoe, External stereo microphone jack (supports plug-in power), AC adaptor connection (DC-IN) *1080/50i output is not supported for PAL output using an HDMI™.	USB (Hi-Speed USB compatible) / AV (NTSC / PAL compliant) connector, AC adaptor connection (DC-IN)
Power Source	Rechargeable Lithium Ion Battery (NP-40)	Rechargeable Lithium Ion Battery (NP-60)	Rechargeable Lithium Ion Battery (NP-100) or Optional AC Adaptor (AD-C100)	Four AA-size alkaline batteries or four AA-size rechargeable NiMH batteries or Optional AC Adaptor (AD-C100)
Dimensions*2	99.8 (W) x 58.5 (H) x 22.6 (D) mm	97.1 (W) x 59.4 (H) x 16.3 (D) mm	127.7 (W) x 79.6 (H) x 130.1 (D) mm	122.6 (W) x 81.4 (H) x 84.5 (D) mm
Weight*3	Approximately 145 g	Approximately 119 g	Approximately 671 g	Approximately 483 g
Bundled Accessories	Rechargeable Lithium Ion Battery (NP-40), Lithium Ion Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM	Rechargeable Lithium Ion Battery (NP-60), Lithium Ion Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM	Rechargeable Lithium Ion Battery (NP-100), Lithium Ion Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, Lens Cap, Shoe Cap, Lens Hood, Remote Shutter Release, CD-ROM	Four AA-size alkaline batteries, Special USB Cable, Special AV Cable, Strap, Lens Cap, Cap Holder, CD-ROM

*1. SOS: Standard Output Sensitivity. *2. Excluding projections *3. Excluding battery and bundled accessories

SPECIFICATION CHART

	EXILIM CARD		EXILIM ZOOM					
	EX-S12	EX-S10	EX-Z400	EX-Z300	EX-Z270	EX-Z250	EX-Z2	EX-Z150
Monitor Screen	2.7-inch wide TFT color LCD / 230,160 dots (959 x 240)	2.7-inch wide TFT color LCD / 230,400 dots (959 x 240)	3.0-inch TFT color LCD / 230,400 dots (960 x 240)	3.0-inch TFT color LCD / 230,400 dots (960 x 240)	2.7-inch wide TFT color LCD / 114,960 dots (479 x 240)	3.0-inch TFT color LCD / 230,400 dots (960 x 240)	2.7-inch wide TFT color LCD / 114,960 dots (479 x 240)	3.0-inch TFT color LCD / 230,400 dots (960 x 240)
File Format	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Audio (Voice Recording): WAV (monaural)	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Audio (Voice Recording): WAV (monaural)	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Audio (Voice Recording): WAV (monaural)	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Audio (Voice Recording): WAV (monaural)	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Audio (Voice Recording): WAV (monaural)	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Audio (Voice Recording): WAV (monaural)	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Audio (Voice Recording): WAV (monaural)	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Audio (Voice Recording): WAV (monaural)
Recording Media	35.2 MB built-in flash memory, SD Memory Card, SDHC Memory Card	11.8 MB built-in flash memory, SD Memory Card, SDHC Memory Card	35.7 MB built-in flash memory, SD Memory Card, SDHC Memory Card	38.5 MB built-in flash memory, SD Memory Card, SDHC Memory Card	35.7 MB built-in flash memory, SD Memory Card, SDHC Memory Card	38.5 MB built-in flash memory, SD Memory Card, SDHC Memory Card	SD Memory Card, SDHC Memory Card	17.9 MB built-in flash memory, SD Memory Card, SDHC Memory Card
Number of Recorded Pixels (Snapshots)	4,000 x 3,000 / 4,000 x 2,656 (3:2) / 4,000 x 2,240 (16:9) / 3,264 x 2,448 / 2,560 x 1,920 / 2,048 x 1,536 / 640 x 480 (VGA)	3,648 x 2,736 / 3,648 x 2,432 (3:2) / 3,648 x 2,048 (16:9) / 3,072 x 2,304 / 2,304 x 1,728 / 1,600 x 1,200 / 640 x 480 (VGA)	4,000 x 3,000 / 4,000 x 2,656 (3:2) / 4,000 x 2,240 (16:9) / 3,264 x 2,448 / 2,560 x 1,920 / 2,048 x 1,536 / 640 x 480 (VGA)	3,648 x 2,736 / 3,648 x 2,432 (3:2) / 3,648 x 2,048 (16:9) / 3,072 x 2,304 / 2,304 x 1,728 / 1,600 x 1,200 / 640 x 480 (VGA)	3,648 x 2,736 / 3,648 x 2,432 (3:2) / 3,648 x 2,048 (16:9) / 3,072 x 2,304 / 2,304 x 1,728 / 1,600 x 1,200 / 640 x 480 (VGA)	3,456 x 2,592 / 3,456 x 2,304 (3:2) / 3,456 x 1,944 (16:9) / 3,072 x 2,304 / 2,304 x 1,728 / 1,600 x 1,200 / 640 x 480 (VGA)	4,000 x 3,000 / 4,000 x 2,656 (3:2) / 4,000 x 2,240 (16:9) / 3,264 x 2,448 / 2,560 x 1,920 / 2,048 x 1,536 / 640 x 480 (VGA)	3,264 x 2,448 / 3,264 x 2,176 (3:2) / 3,264 x 1,840 (16:9) / 2,816 x 2,112 / 2,304 x 1,728 / 1,600 x 1,200 / 640 x 480 (VGA)
Number of Effective Pixels	Approximately 12.1 megapixels	Approximately 10.1 megapixels	Approximately 12.1 megapixels	Approximately 10.1 megapixels	Approximately 10.1 megapixels	Approximately 9.1 megapixels	Approximately 12.1 megapixels	Approximately 8.1 megapixels
Image Sensor	1/2.3-inch square pixel CCD (Total pixels: 12.39 megapixels)	1/2.3-inch square pixel CCD (Total pixels: 10.34 megapixels)	1/2.3-inch square pixel CCD (Total pixels: 12.39 megapixels)	1/2.3-inch square pixel CCD (Total pixels: 10.34 megapixels)	1/2.5-inch square pixel CCD (Total pixels: 12.39 megapixels)	1/2.5-inch square pixel CCD (Total pixels: 9.3 megapixels)	1/2.3-inch square pixel CCD (Total pixels: 12.39 megapixels)	1/2.5-inch square pixel CCD (Total pixels: 8.29 megapixels)
Lens / Focal Length	6 lenses in 5 groups, including aspherical lens; F2.8 (W) to F5.3 (T) (Approximately 36 to 108 mm equivalent to 35 mm film)	6 lenses in 5 groups, including aspherical lens; F2.8 (W) to F5.3 (T) (Approximately 36 to 108 mm equivalent to 35 mm film)	7 lenses in 6 groups, including aspherical lens; F2.6 (W) to F5.8 (T) (Approximately 28 to 112 mm equivalent to 35 mm film)	7 lenses in 6 groups, including aspherical lens; F2.6 (W) to F5.8 (T) (Approximately 28 to 112 mm equivalent to 35 mm film)	7 lenses in 6 groups, including aspherical lens; F2.6 (W) to F5.9 (T) (Approximately 28 to 112 mm equivalent to 35 mm film)	7 lenses in 6 groups, including aspherical lens; F2.6 (W) to F5.9 (T) (Approximately 28 to 112 mm equivalent to 35 mm film)	6 lenses in 5 groups, including aspherical lens; F3.1 (W) to F5.6 (T) (Approximately 35 to 105 mm equivalent to 35 mm film)	7 lenses in 6 groups, including aspherical lens; F2.6 (W) to F5.9 (T) (Approximately 28 to 112 mm equivalent to 35 mm film)
Zoom	3X optical zoom, 4X digital zoom, maximum 18.7X HD zoom (with VGA size)	3X optical zoom, 4X digital zoom, maximum 17.1X HD zoom (with VGA size)	4X optical zoom, 4X digital zoom, maximum 22.8X HD zoom (with VGA size)	4X optical zoom, 4X digital zoom, maximum 22.8X HD zoom (with VGA size)	4X optical zoom, 4X digital zoom, maximum 22.8X HD zoom (with VGA size)	4X optical zoom, 4X digital zoom, maximum 21.3X HD zoom (with VGA size)	3X optical zoom, 4X digital zoom, maximum 18.7X HD zoom (with VGA size)	4X optical zoom
Focus	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, 9-point multi, Auto Tracking • Focus Lock • Quick Shutter • AF Assist Light	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, 9-point multi, Auto Tracking • Focus Lock • Quick Shutter • AF Assist Light	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, 9-point multi, Auto Tracking • Focus Lock • Quick Shutter • AF Assist Light	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, 9-point multi, Auto Tracking • Focus Lock • Quick Shutter • AF Assist Light	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, 9-point multi, Auto Tracking • Focus Lock • Quick Shutter	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, 9-point multi, Auto Tracking • Focus Lock • Quick Shutter	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, 9-point multi • Focus Lock	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, • Focus Lock
Approximate Focus Range (Snapshots)	Auto focus: 40 cm to ∞ (W) / Macro: 10 cm to 50 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 40 cm to ∞ (W) / Macro: 15 cm to 50 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 40 cm to ∞ (W) / Macro: 10 cm to 50 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 40 cm to ∞ (W) / Macro: 10 cm to 50 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 40 cm to ∞ (W) / Macro: 15 cm to 50 cm (W), 5 cm to 50 cm (One step from full wide-angle.) *From lens surface. *Optical zoom changes range.	Auto focus: 40 cm to ∞ (W) / Macro: 15 cm to 50 cm (W), 5 cm to 50 cm (One step from full wide-angle.) *From lens surface. *Optical zoom changes range.	Auto focus: 40 cm to ∞ (W) / Macro: 10 cm to 50 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 40 cm to ∞ (W) / Macro: 15 cm to 50 cm (W) *From lens surface. *Optical zoom changes range.
Exposure	• Metering: Multi pattern, Center Weighted, Spot by CCD • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by CCD • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by CCD • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by CCD • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by CCD • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by CCD • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by CCD • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by CCD • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)
Aperture	F2.8 (W) to F7.9 (W) *With ND filter. *Optical zoom changes aperture value.	F2.8 (W) to F7.9 (W) *With ND filter. *Optical zoom changes aperture value.	F2.6 (W) to F7.0 (W) *With ND filter. *Optical zoom changes aperture value.	F2.6 (W) to F7.0 (W) *With ND filter. *Optical zoom changes aperture value.	F2.6 (W) to F7.8 (W) *With ND filter. *Optical zoom changes aperture value.	F2.6 (W) to F7.7 (W) *With ND filter. *Optical zoom changes aperture value.	F3.1 (W) to F5.6 (W) *With ND filter. *Optical zoom changes aperture value.	F2.6 (W) to F7.7 (W) *With ND filter. *Optical zoom changes aperture value.
Recording Functions	Dynamic Photo, Make-up Mode, Auto Shutter, Face Detection, Continuous Shutter (Normal-speed, 4 fps, 10 fps, Flash), Auto Macro, BEST SHOT, AUTO BEST SHOT, Snapshot In Movie, Voice Recording	Auto Shutter, Face Detection, Continuous Shutter (Normal-speed, High-speed, Flash), Auto Macro, BEST SHOT, AUTO BEST SHOT, Snapshot In Movie, Voice Recording	Dynamic Photo, Make-up Mode, Auto Shutter, Face Detection, Continuous Shutter (Normal-speed, 4 fps, 10 fps, Flash), Auto Macro, BEST SHOT, AUTO BEST SHOT, Snapshot In Movie, Voice Recording	Make-up Mode, Auto Shutter, Face Detection, Continuous Shutter (Normal-speed, High-speed, Flash), Auto Macro, BEST SHOT, AUTO BEST SHOT, Snapshot In Movie, Voice Recording	Dynamic Photo, Make-up Mode, Auto Shutter, Face Detection, Continuous Shutter (Normal-speed, High-speed, Flash), Auto Macro, BEST SHOT, AUTO BEST SHOT, Snapshot In Movie, Voice Recording	Make-up Mode, Auto Shutter, Face Detection, Continuous Shutter (Normal-speed, High-speed, Flash), Auto Macro, BEST SHOT, AUTO BEST SHOT, Voice Recording	Face Detection, Normal-speed Continuous Shutter, Auto Macro (One step from full wide-angle), BEST SHOT, Snapshot In Movie, Voice Recording, easy Mode	Face Detection, Normal-speed Continuous Shutter, BEST SHOT, Voice Recording, easy Mode
Shutter Type / Shutter Speed	CCD shutter, mechanical shutter • Auto (Program AE): 1/2 to 1/2000 second • Night Scene: 4 seconds maximum *May differ due to camera setups.	CCD shutter, mechanical shutter • Auto (Program AE): 1/2 to 1/2000 second • Night Scene: 4 seconds maximum *May differ due to camera setups.	CCD shutter, mechanical shutter • Auto (Program AE): 1/2 to 1/1000 second • Night Scene: 4 seconds maximum *May differ due to camera setup.	CCD shutter, mechanical shutter • Auto (Program AE): 1/2 to 1/1000 second • Night Scene: 4 seconds maximum *May differ due to camera setup.	CCD shutter, mechanical shutter • Auto (Program AE): 1/2 to 1/2000 second • Night Scene: 4 seconds maximum *May differ due to camera setup.	CCD shutter, mechanical shutter • Auto (Program AE): 1/2 to 1/2000 second • Night Scene: 4 seconds maximum *May differ due to camera setup.	CCD shutter, mechanical shutter • Auto (Program AE): 1/2 to 1/2000 second • Night Scene: 4 seconds maximum *May differ due to camera setup.	CCD shutter, mechanical shutter • Auto (Program AE): 1/2 to 1/2000 second • Night Scene: 4 seconds maximum *May differ due to camera setup.
White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance
Sensitivity (SOS / REI)*1	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600, ISO3200	Auto, ISO50, ISO100, ISO200, ISO400, ISO800, ISO1600	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600, ISO3200	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600, ISO3200	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600, ISO3200	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600, ISO3200	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600
Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer
Built-in Flash	• Flash Modes: Auto, Flash off, Flash on, Soft Flash, Red Eye Reduction • Approximate Flash Range: [Normal] 0.1 to 4.0 m (W) / 0.4 to 2.1 m (T) [Flash Continuous Shutter] 0.4 to 1.8 m (W) / 0.4 to 1.0 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Soft Flash, Red Eye Reduction • Approximate Flash Range: [Normal] 0.2 to 2.8 m (W) / 0.4 to 1.5 m (T) [Flash Continuous Shutter] 0.4 to 1.8 m (W) / 0.4 to 1.0 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Soft Flash, Red Eye Reduction • Approximate Flash Range: [Normal] 0.2 to 4.5 m (W) / 0.5 to 2.0 m (T) [Flash Continuous Shutter] 0.4 to 2.2 m (W) / 0.5 to 1.0 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Soft Flash, Red Eye Reduction • Approximate Flash Range: [Normal] 0.2 to 4.5 m (W) / 0.5 to 2.0 m (T) [Flash Continuous Shutter] 0.4 to 2.2 m (W) / 0.5 to 1.0 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Soft Flash, Red Eye Reduction • Approximate Flash Range: [Normal] 0.15 to 4.2 m (W) / 0.6 to 1.9 m (T) [Flash Continuous Shutter] 0.6 to 1.6 m (W) / 0.6 to 0.7 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Soft Flash, Red Eye Reduction • Approximate Flash Range: [Normal] 0.15 to 3.8 m (W) / 0.6 to 1.7 m (T) [Flash Continuous Shutter] 0.4 to 1.7 m (W) / 0.6 to 0.7 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Red Eye Reduction • Approximate Flash Range: [Normal] 0.1 to 2.9 m (W) / 0.5 to 1.6 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Red Eye Reduction • Approximate Flash Range: [Normal] 0.15 to 3.2 m (W) / 0.6 to 1.5 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.
Playback Functions	Playback Zoom (8X), Multi-image Display, Calendar Screen, Red Eye Correction, Image Rotation, Resize, Trimming, Keystone Correction, Color Restoration, Slideshow, Layout Print	Playback Zoom (8X), Multi-image Display, Calendar Screen, Image Rotation, Resize, Trimming, Keystone Correction, Color Restoration, Slideshow, Layout Print	Playback Zoom (8X), Multi-image Display, Calendar Screen, Red Eye Correction, Image Rotation, Resize, Trimming, Keystone Correction, Color Restoration, Slideshow, Layout Print	Playback Zoom (8X), Multi-image Display, Calendar Screen, Red Eye Correction, Image Rotation, Resize, Trimming, Keystone Correction, Color Restoration, Slideshow, Layout Print	Playback Zoom (8X), Multi-image Display, Calendar Screen, Red Eye Correction, Image Rotation, Resize, Trimming, Keystone Correction, Color Restoration, Slideshow, Layout Print	Playback Zoom (8X), Multi-image Display, Calendar Screen, Red Eye Correction, Image Rotation, Resize, Trimming, Keystone Correction, Color Restoration, Slideshow, Layout Print	Playback Zoom (8X), Multi-image Display, Image Rotation (Snapshots), Resize, Trimming, Slideshow	Playback Zoom (8X), Multi-image Display, Image Rotation (Snapshots), Resize, Trimming, Slideshow
Timekeeping Functions	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp
Movie Functions — File Format	AVI format, Motion JPEG, IMA-ADPCM (monaural)	MOV format, H.264 / AVC, IMA-ADPCM (monaural)	AVI format, Motion JPEG, IMA-ADPCM (monaural)	MOV format, H.264 / AVC, IMA-ADPCM (monaural)	AVI format, Motion JPEG, IMA-ADPCM (monaural)	MOV format, H.264 / AVC, IMA-ADPCM (monaural)	AVI format, Motion JPEG, IMA-ADPCM (monaural)	AVI format, Motion JPEG, IMA-ADPCM (monaural)
Movie Functions — Approximate Focus Range	Auto focus: 85 cm to ∞ (W) / Macro: 26 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 70 cm to ∞ (W) / Macro: 20 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 70 cm to ∞ (W) / Macro: 21 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 70 cm to ∞ (W) / Macro: 20 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 60 cm to ∞ (W) / Macro: 23 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 40 cm to ∞ (W) / Macro: 25 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 2 m to ∞ (W) / Macro: 40 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 1.6 m to ∞ (W) / Macro: 20 cm (W) *From lens surface. *Optical zoom changes range.
Other	Selectable Focus Frame, Key Customization, Monitor Screen Brightness Adjustment, PictBridge, Video Output (NTSC / PAL), Wide-screen TV Output (NTSC / PAL)	Key Customization, Monitor Screen Brightness Adjustment, PictBridge, Video Output (NTSC / PAL), Wide-screen TV Output (NTSC / PAL)	Selectable Focus Frame, Key Customization, Monitor Screen Brightness Adjustment, PictBridge, Video Output (NTSC / PAL), Wide-screen TV Output (NTSC / PAL)	Selectable Focus Frame, Key Customization, Monitor Screen Brightness Adjustment, PictBridge, Video Output (NTSC / PAL), Wide-screen TV Output (NTSC / PAL)	Selectable Focus Frame, Key Customization, PictBridge, Video Output (NTSC / PAL), Wide-screen TV Output (NTSC / PAL)	Selectable Focus Frame, Key Customization, Monitor Screen Brightness Adjustment, PictBridge, Video Output (NTSC / PAL), Wide-screen TV Output (NTSC / PAL)	Selectable Focus Frame, Selectable Menu Color, Key Customization, PictBridge, Video Output (NTSC / PAL), Wide-screen TV Output (NTSC / PAL)	Key Customization, PictBridge, Video Output (NTSC / PAL), Wide-screen TV Output (NTSC / PAL)
Input / Output Terminals	USB (Hi-Speed USB compatible) / AV (NTSC / PAL compliant) connector	USB (Hi-Speed USB compatible) / AV (NTSC / PAL compliant) connector	USB (Hi-Speed USB compatible) / AV (NTSC / PAL compliant) connector	USB (Hi-Speed USB compatible) / AV (NTSC / PAL compliant) connector	USB (Hi-Speed USB compatible) / AV (NTSC / PAL compliant) connector	USB (USB compatible) / AV (NTSC / PAL compliant) connector	USB (USB compatible) / AV (NTSC / PAL compliant) connector	USB (USB compatible) / AV (NTSC / PAL compliant) connector
Power Source	Rechargeable Lithium Ion Battery (NP-60)	Rechargeable Lithium Ion Battery (NP-60)	Rechargeable Lithium Ion Battery (NP-40)	Rechargeable Lithium Ion Battery (NP-40)	Rechargeable Lithium Ion Battery (NP-80)	Rechargeable Lithium Ion Battery (NP-70)	Rechargeable Lithium Ion Battery (NP-80)	Rechargeable Lithium Ion Battery (NP-70)
Dimensions*2	94.2 (W) x 54.6 (H) x 14.9 (D) mm (13.8 mm at thinnest point)	94.2 (W) x 54.6 (H) x 15.0 (D) mm (13.8 mm at thinnest point)	96.9 (W) x 57.6 (H) x 23.0 (D) mm (21.1 mm at thinnest point)	96.9 (W) x 57.6 (H) x 23.0 (D) mm (21.1 mm at thinnest point)	98.2 (W) x 54.9 (H) x 20.1 (D) mm (19.6 mm at thinnest point)	96.7 (W) x 57.3 (H) x 19.9 (D) mm (18.9 mm at thinnest point)	96.8 (W) x 56.5 (H) x 17.8 (D) mm (15.8 mm at thinnest point)	96.7 (W) x 57.3 (H) x 20.1 (D) mm (18.9 mm at thinnest point)
Weight*3	Approximately 112 g	Approximately 113 g	Approximately 131 g	Approximately 131 g	Approximately 112 g	Approximately 119 g	Approximately 100 g	Approximately 126 g
Bundled Accessories	Rechargeable Lithium Ion Battery (NP-60), Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM	Rechargeable Lithium Ion Battery (NP-60), Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM	Rechargeable Lithium Ion Battery (NP-40), Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM	Rechargeable Lithium Ion Battery (NP-40), Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM	Rechargeable Lithium Ion Battery (NP-80), Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM	Rechargeable Lithium Ion Battery (NP-70), Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM	Rechargeable Lithium Ion Battery (NP-80), Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM	Rechargeable Lithium Ion Battery (NP-70), Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM

*1. SOS: Standard Output Sensitivity. REI: Recommended Exposure Index. *2. Excluding projections *3. Excluding battery and bundled accessories

SPECIFICATION CHART

	EXILIM ZOOM	
	EX-Z85	**EX-Z19**
Monitor Screen	2.6-inch wide TFT color LCD / 114,960 dots (479 x 240)	2.6-inch wide TFT color LCD / 114,960 dots (479 x 240)
File Format	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Audio (Voice Recording): WAV (monaural)	• Snapshots: JPEG (Exif Ver. 2.2), DCF 1.0 standard, DPOF compliant • Audio (Voice Recording): WAV (monaural)
Recording Media	41.2 MB built-in flash memory, SD Memory Card, SDHC Memory Card	18.5 MB built-in flash memory, SD Memory Card, SDHC Memory Card
Number of Recorded Pixels (Snapshots)	3,456 x 2,592 / 3,456 x 2,304 (3:2) / 3,456 x 1,944 (16:9) / 3,072 x 2,304 / 2,304 x 1,728 / 1,600 x 1,200 / 640 x 480 (VGA)	3,456 x 2,592 / 3,456 x 2,304 (3:2) / 3,456 x 1,944 (16:9) / 3,072 x 2,304 / 2,304 x 1,728 / 1,600 x 1,200 / 640 x 480 (VGA)
Number of Effective Pixels	Approximately 9.1 megapixels	Approximately 9.1 megapixels
Image Sensor	1/2.5-inch square pixel CCD (Total Pixels: 9.3 megapixels)	1/2.5-inch square pixel CCD (Total pixels: 9.3 megapixels)
Lens / Focal Length	6 lenses in 5 groups, including aspherical lens; F3.1 (W) to F5.9 (T) (Approximately 38 to 114 mm equivalent to 35 mm film)	6 lenses in 5 groups, including aspherical lens; F2.8 (W) to F5.2 (T) (Approximately 37.5 to 112.5 mm equivalent to 35 mm film)
Zoom	3X optical zoom, 4X digital zoom, maximum 16X HD zoom (with VGA size)	3X optical zoom, 4X digital zoom, maximum 16X HD zoom (with VGA size)
Focus	• Type: Contrast Detection Auto Focus • Mode: Auto Focus, Macro, Pan focus, Infinity, Manual focus • AF Area: Spot, 9-point multi, Auto Tracking • Focus Lock • Quick Shutter	Type: Contrast Detection Auto Focus • Mode: Auto Focus (snapshots only), Macro, Pan Focus, Infinity, Manual Focus • AF Area: Spot, 9-point multi • Focus Lock
Approximate Focus Range (Snapshots)	Auto focus: 40 cm to ∞ (W) / Macro: 10 cm to 50 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 40 cm to ∞ (W) / Macro: 15 cm to 50 cm (W) *From lens surface. *Optical zoom changes range.
Exposure	• Metering: Multi pattern, Center Weighted, Spot by CCD • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)	• Metering: Multi pattern, Center Weighted, Spot by CCD • Control: Program AE • Compensation: -2 EV to +2 EV (in 1/3 EV steps)
Aperture	F3.1 (W) to F5.6 (W) *With ND filter. *Optical zoom changes aperture value.	F2.8 (W) to F5.6 (W) *With ND filter. *Optical zoom changes aperture value.
Recording Functions	Auto Shutter, Face Detection, Continuous Shutter (Normal-speed, High-speed, Flash), Auto Macro, BEST SHOT, Snapshot In Movie, Voice Recording, easy Mode	Face Detection, Normal-speed Continuous Shutter, BEST SHOT, Voice Recording, easy Mode
Shutter Type / Shutter Speed	CCD shutter, mechanical shutter • Auto (Program AE): 1/2 to 1/2000 second • Night Scene: 4 seconds maximum *May differ due to camera setup.	CCD shutter, mechanical shutter • Auto (Program AE): 1/2 to 1/2000 second • Night Scene: 4 seconds maximum *May differ due to camera setup.
White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance	Auto, Daylight, Overcast, Shade, Day White Fluorescent, Daylight Fluorescent, Tungsten, Manual White Balance
Sensitivity (SOS / REI)*1	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600	Auto, ISO64, ISO100, ISO200, ISO400, ISO800, ISO1600
Self-timer	10 seconds or 2 seconds, Triple Self-timer	10 seconds or 2 seconds, Triple Self-timer
Built-in Flash	• Flash Modes: Auto, Flash off, Flash on, Soft Flash, Red Eye Reduction • Approximate Flash Range: [Normal] 0.1 to 2.6 m (W) / 0.6 to 1.4 m (T) [Flash Continuous Shutter] 0.4 to 1.4 m (W) / 0.6 to 0.7 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.	• Flash Modes: Auto, Flash off, Flash on, Red Eye Reduction • Approximate Flash Range: [Normal] 0.15 to 2.8 m (W) / 0.4 to 1.5 m (T) *From lens surface. *ISO sensitivity: "Auto" *Optical zoom changes range.
Playback Functions	Playback Zoom (8X), Multi-image Display, Calendar Screen, Image Rotation, Resize, Trimming, Keystone Correction, Color Restoration, Slideshow, Layout Print	Playback Zoom (8X), Multi-image Display, Image Rotation (Snapshots), Resize, Trimming, Slideshow
Timekeeping Functions	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp	Date and time (Current date and time are stored with image data), Auto calendar up to 2049, Timestamp
Movie Functions — **File Format**	MOV format, H.264 / AVC, IMA-ADPCM (monaural)	AVI format, Motion JPEG, IMA-ADPCM (monaural)
Movie Functions — **Approximate Focus Range**	Auto focus: 50 cm to ∞ (W) / Macro: 20 cm (W) *From lens surface. *Optical zoom changes range.	Auto focus: 2 m to ∞ (W) / Macro: 40 cm (W) *From lens surface. *Optical zoom changes range.
Other	Selectable Focus Frame, Selectable Menu Color, Key Customization, PictBridge, Video Output (NTSC / PAL), Wide-screen TV Output (NTSC / PAL)	Key Customization, PictBridge, Video Output (NTSC / PAL), Wide-screen TV Output (NTSC / PAL)
Input / Output Terminals	USB (USB compatible) / AV (NTSC / PAL compliant) connector	USB (USB compatible) / AV (NTSC / PAL compliant) connector
Power Source	Rechargeable Lithium Ion Battery (NP-60)	Rechargeable Lithium Ion Battery (NP-60)
Dimensions*2	89.7 (W) x 51.7 (H) x 19.0 (D) mm (17.8 mm at thinnest point)	92.5 (W) x 55 (H) x 23.2 (D) mm (20.4 mm at thinnest point)
Weight*3	Approximately 100 g	Approximately 127 g
Bundled Accessories	Rechargeable Lithium Ion Battery (NP-60), Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM	Rechargeable Lithium Ion Battery (NP-60), Battery Charger, AC Power Cord, Special USB Cable, Special AV Cable, Strap, CD-ROM

*1. SOS: Standard Output Sensitivity. REI: Recommended Exposure Index. *2. Excluding projections *3. Excluding battery and bundled accessories

Number of Snapshots / File Sizes (Actual values depend on recording conditions), Movie Recording Time

Image sizes are the maximum and minimum for each model.

• Snapshots EX-FC100

Image Size (Pixels)	Image Quality	Approximate File Size	SD Memory Card (1GB)
3,456 x 2,592 (9M)	Fine	5.66 MB	170 shots
	Normal	3.0 MB	322 shots
	Economy	2.02 MB	478 shots
640 x 480 (VGA)	Fine	330 KB	2,929 shots
	Normal	190 KB	5,086 shots
	Economy	140 KB	6,903 shots

• Movies EX-FC100 HD supports monaural audio, HS does not support audio.

Image Size (Pixels)	Approximate Data Rate (Frame Rate)	Approximate Recording Time for SD Memory Card 1GB
1,280 x 720 (HD)	30 M bits/second (30 fps)	4 minutes and 22 seconds
224 x 64 (HS 1000)	25 M bits/second (1000 fps)	5 minutes and 14 seconds
224 x 168 (HS 420)	50 M bits/second (420 fps)	2 minutes and 38 seconds
480 x 360 (HS 210)	50 M bits/second (210 fps)	2 minutes and 38 seconds

• Snapshots EX-FS10

Image Size (Pixels)	Image Quality	Approximate File Size	SD Memory Card (1GB)
3,456 x 2,592 (9M)	Fine	5.66 MB	170 shots
	Normal	3.0 MB	322 shots
	Economy	2.02 MB	478 shots
640 x 480 (VGA)	Fine	330 KB	2,929 shots
	Normal	190 KB	5,086 shots
	Economy	140 KB	6,903 shots

• Movies EX-FS10 HD supports monaural audio, HS does not support audio.

Image Size (Pixels)	Approximate Data Rate (Frame Rate)	Approximate Recording Time for SD Memory Card 1GB
1,280 x 720 (HD)	30 M bits/second (30 fps)	4 minutes and 22 seconds
224 x 64 (HS 1000)	25 M bits/second (1000 fps)	5 minutes and 14 seconds
224 x 168 (HS 420)	50 M bits/second (420 fps)	2 minutes and 38 seconds
480 x 360 (HS 210)	50 M bits/second (210 fps)	2 minutes and 38 seconds

• Snapshots EX-F1

Image Size (Pixels)	Image Quality	Approximate File Size	SD Memory Card (1GB)
2,816 x 2,112 (6M)	Fine	3.48 MB	277 shots
	Normal	1.89 MB	511 shots
	Economy	1.3 MB	743 shots
640 x 480 (VGA)	Fine	330 KB	2,930 shots
	Normal	190 KB	5,090 shots
	Economy	140 KB	6,908 shots

• Movies EX-F1 HD supports monaural audio, HS does not support audio.

Image Size (Pixels)	Approximate Data Rate (Frame Rate)	Approximate Recording Time for SD Memory Card 1GB
1,920 x 1,080 (FHD)	14 M bits/second (60 fields/second)	9 minutes and 11 seconds
336 x 96 (HS 1200)	18 M bits/second (1200 fps)	7 minutes and 18 seconds
432 x 192 (HS 600)	18 M bits/second (600 fps)	7 minutes and 19 seconds
512 x 384 (HS 300)	18 M bits/second (300 fps)	7 minutes and 19 seconds

• Snapshots EX-FH20

Image Size (Pixels)	Image Quality	Approximate File Size	SD Memory Card (1GB)
3,456 x 2,592 (9M)	Fine	5.66 MB	170 shots
	Normal	3.0 MB	322 shots
	Economy	2.02 MB	478 shots
640 x 480 (VGA)	Fine	330 KB	2,930 shots
	Normal	190 KB	5,090 shots
	Economy	140 KB	6,908 shots

• Movies EX-FH20 HD supports monaural audio, HS does not support audio.

Image Size (Pixels)	Approximate Data Rate (Frame Rate)	Approximate Recording Time for SD Memory Card 1GB
1,280 x 720 (HD)	30 M bits/second (30 fps)	4 minutes and 22 seconds
224 x 56 (HS 1000)	25 M bits/second (1000 fps)	5 minutes and 14 seconds
224 x 168 (HS 420)	50 M bits/second (420 fps)	2 minutes and 38 seconds
480 x 360 (HS 210)	50 M bits/second (210 fps)	2 minutes and 38 seconds

• Snapshots EX-S12

Image Size (Pixels)	Image Quality	Approximate File Size	SD Memory Card (1GB)
4,000 x 3,000 (12M)	Fine	7.87 MB	122 shots
	Normal	4.13 MB	234 shots
	Economy	2.76 MB	350 shots
640 x 480 (VGA)	Fine	330 KB	2,928 shots
	Normal	190 KB	5,084 shots
	Economy	140 KB	6,900 shots

• Movie With Audio EX-S12

Image Size (Pixels)	Approximate Data Rate (Frame Rate)	Approximate Recording Time for SD Memory Card 1GB
HD 1,280 x 720	24 M bits/second (24 fps)	5 minutes and 27 seconds
STD 640 x 480	10 M bits/second (30 fps)	13 minutes and 10 seconds
LP 320 x 240	2.7 M bits/second (15 fps)	49 minutes and 36 seconds

• Snapshots EX-Z400

Image Size (Pixels)	Image Quality	Approximate File Size	SD Memory Card (1GB)
4,000 x 3,000 (12M)	Fine	7.87 MB	122 shots
	Normal	4.13 MB	234 shots
	Economy	2.76 MB	350 shots
640 x 480 (VGA)	Fine	330 KB	2,928 shots
	Normal	190 KB	5,084 shots
	Economy	140 KB	6,900 shots

• Movie With Audio EX-Z400

Image Size (Pixels)	Approximate Data Rate (Frame Rate)	Approximate Recording Time for SD Memory Card 1GB
HD 1,280 x 720	24 M bits/second (24 fps)	5 minutes and 27 seconds
STD 640 x 480	10 M bits/second (30 fps)	13 minutes and 10 seconds
LP 320 x 240	2.7 M bits/second (15 fps)	49 minutes and 36 seconds

• Snapshots EX-Z270

Image Size (Pixels)	Image Quality	Approximate File Size	SD Memory Card (1GB)
3,648 x 2,736 (10M)	Fine	6.4 MB	151 shots
	Normal	3.38 MB	286 shots
	Economy	2.27 MB	426 shots
640 x 480 (VGA)	Fine	330 KB	2,928 shots
	Normal	190 KB	5,084 shots
	Economy	140 KB	6,900 shots

• Movie With Audio EX-Z270

Image Size (Pixels)	Approximate Data Rate (Frame Rate)	Approximate Recording Time for SD Memory Card 1GB
HD 1,280 x 720	24 M bits/second (24 fps)	5 minutes and 27 seconds
STD 640 x 480	10 M bits/second (30 fps)	13 minutes and 11 seconds
LP 320 x 240	2.7 M bits/second (15 fps)	49 minutes and 38 seconds

• Snapshots EX-Z150

Image Size (Pixels)	Image Quality	Approximate File Size	SD Memory Card (1GB)
3,264 x 2,448 (8M)	Fine	4.48 MB	210 shots
	Normal	2.4 MB	392 shots
	Economy	1.63 MB	578 shots
640 x 480 (VGA)	Fine	330 KB	2,928 shots
	Normal	190 KB	5,085 shots
	Economy	140 KB	6,902 shots

• Movie With Audio EX-Z150

Image Size (Pixels)	Approximate Data Rate (Frame Rate)	Approximate Recording Time for SD Memory Card 1GB
HQ 640 x 480	10.5 M bits/second (30 fps)	11 minutes and 43 seconds
Nomal 640 x 480	6.1 M bits/second (30 fps)	20 minutes and 8 seconds
LP 320 x 240	2.6 M bits/second (15 fps)	46 minutes and 53 seconds

• Snapshots EX-Z85

Image Size (Pixels)	Image Quality	Approximate File Size	SD Memory Card (1GB)
3,456 x 2,592 (9M)	Fine	5.66 MB	170 shots
	Normal	3.0 MB	322 shots
	Economy	2.02 MB	478 shots
640 x 480 (VGA)	Fine	330 KB	2,930 shots
	Normal	190 KB	5,088 shots
	Economy	140 KB	6,906 shots

• Movie With Audio EX-Z85

Image Size (Pixels)	Approximate Data Rate (Frame Rate)	Approximate Recording Time for SD Memory Card 1GB
WIDE 848 x 480	4.4 M bits/second (30 fps)	30 minutes and 4 seconds
STD 640 x 480	3.8 M bits/second (30 fps)	34 minutes and 50 seconds
LP 320 x 240	545 K bits/second (15 fps)	4 hours

• Snapshots EX-Z19

Image Size (Pixels)	Image Quality	Approximate File Size	SD Memory Card (1GB)
3,456 x 2,592 (9M)	Fine	5.84 MB	124 shots
	Normal	3.26 MB	225 shots
	Economy	2.16 MB	341 shots
640 x 480 (VGA)	Fine	229 KB	3,335 shots
	Normal	201 KB	3,826 shots
	Economy	179 KB	4,300 shots

• Movie With Audio EX-Z19

Image Size (Pixels)	Approximate Data Rate (Frame Rate)	Approximate Recording Time for SD Memory Card 1GB
HQ 640 x 480	10.6 M bits/second (30 fps)	11 minutes and 43 seconds
HQ Wide 848 x 480	12.5 M bits/second (30 fps)	10 minutes and 8 seconds
Normal 640 x 480	6.2 M bits/second (30 fps)	20 minutes and 8 seconds
LP 320 x 240	2.7 M bits/second (15 fps)	46 minutes and 53 seconds

• Each movie can be up to 10 minutes long. • All of the above values are approximate and are presented for reference only. • SD Memory Card values are based on Panasonic PRO HIGH SPEED 1 GB SD Memory Card. Actual capacity depends on the card manufacturer. • The SD memory card is available separately. • When using a memory card with a different capacity than noted above, calculate approximate capacity by multiplying the values here by the appropriate percentage.

OPTION

EXILIM STATION
- **ES-10**

Rechargeable Lithium Ion Battery
- **NP-100** (EX-F1 only)
- **NP-80** (EX-Z270 / EX-Z22 only)
- **NP-70** (EX-Z250 / EX-Z150 only)
- **NP-60** (EX-FS10 / EX-S12 / EX-S10 / EX-Z85 / EX-Z19 only)
- **NP-40** (EX-FC100 / EX-Z400 / EX-Z300 only)

AC Adaptor
- **AD-C100** (EX-F1 / EX-FH20 only)

• Designs and specifications are subject to change without notice. The printing process may cause colors to differ somewhat from those of the actual product.

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